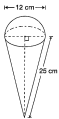


Open-Response

page 8

Don't Let It Melt!

A model of an ice cream cone made up of a cone and a hemisphere is pictured below.



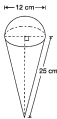
The total surface area of the model will be painted at a cost of \$0.0035/cm². Determine the total cost of painting the model. Show your work.

Open-Response

page 8

Don't Let It Melt!

A model of an ice cream cone made up of a cone and a hemisphere is pictured below.



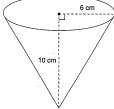
The total surface area of the model will be painted at a cost of \$0.0035/cm². Determine the total cost of painting the model. Show your work.

Open-Response

Grade 9 Assessment of Mathematics, 2014

Coated Cones

An ice cream store offers chocolate-coated cones as shown in the diagram below.



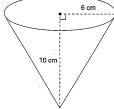
The cone is open topped, and the entire outside is coated in chocolate. Determine the area of the surface that is coated in chocolate. Show your work.

Open-Response

Grade 9 Assessment of Mathematics, 2014

Coated Cones

An ice cream store offers chocolate-coated cones as shown in the diagram below.



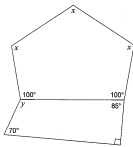
The cone is open topped, and the entire outside is coated in chocolate. Determine the area of the surface that is coated in chocolate. Show your work.

Grade 9 Assessment of Mathematics, 2014

Open-Response

Daring Diagram

A diagram is shown below.



Complete the table below with the values of x and y. Justify your answers using geometric properties.

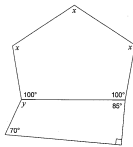
Value	Justification using geometric properties
x = _____	
y = _____	

Grade 9 Assessment of Mathematics, 2014

Open-Response

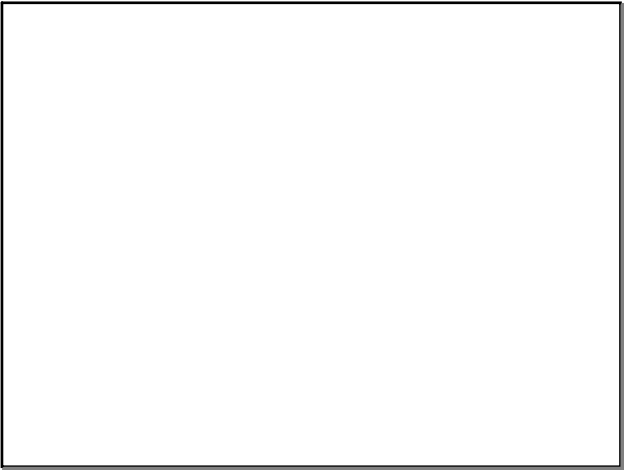
Daring Diagram

A diagram is shown below.



Complete the table below with the values of x and y. Justify your answers using geometric properties.

Value	Justification using geometric properties
x = _____	
y = _____	



Dec 11-8:58 AM